

ML 19134A035

Performance Review

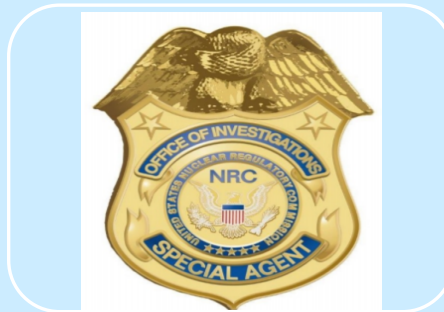
Westinghouse Electric Company
Columbia Fuel Fabrication Facility (CFFF)

South Carolina State Museum,
Columbia, SC
May 7, 2019
6:00 PM

NRC's Fuel Cycle Oversight Components



Inspections



Investigations



Allegations



Incident
Response



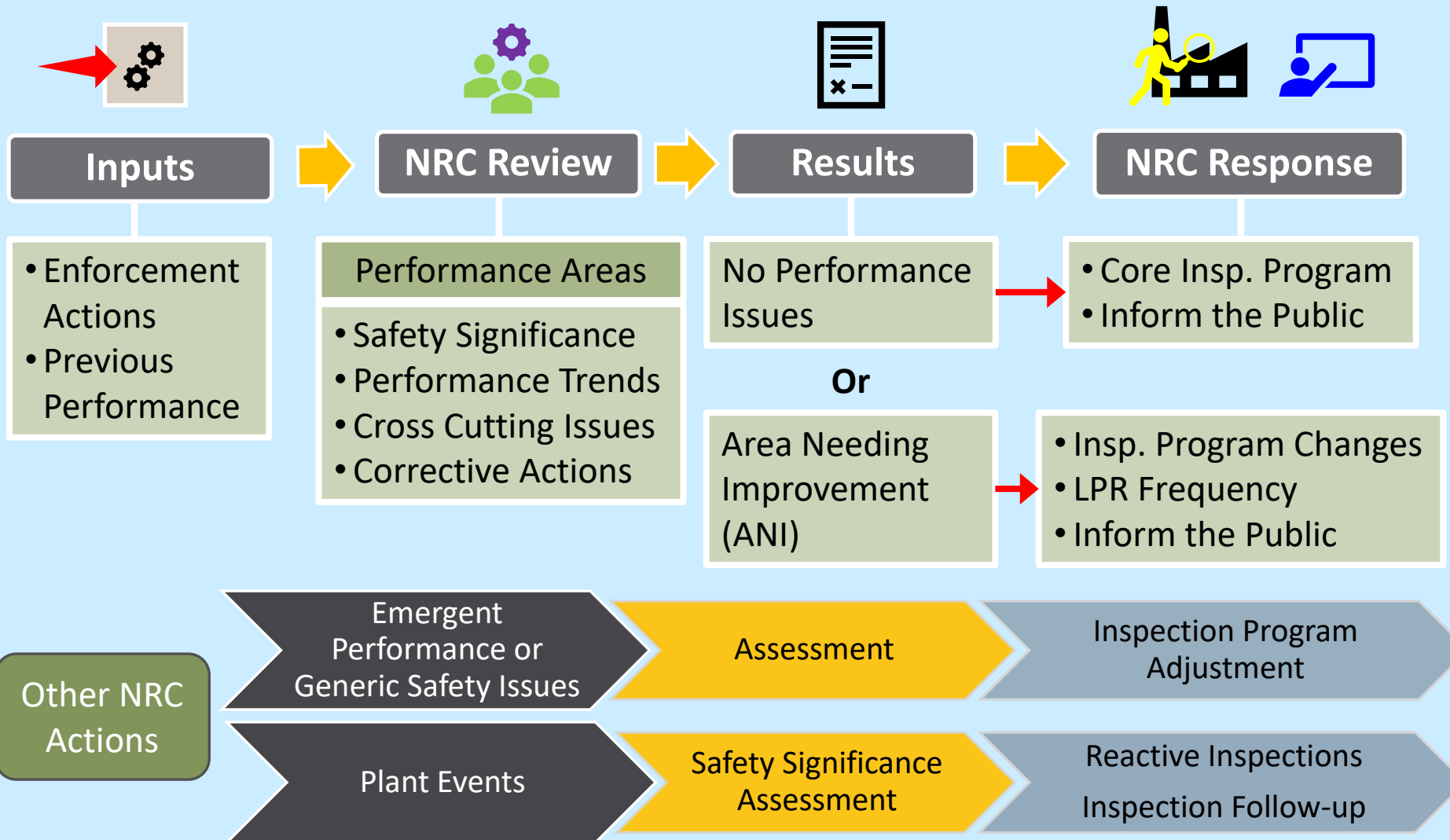
Enforcement



Performance
Assessment



Licensee Performance Review Process



LPR = Licensee Performance Review

Performance Areas

Safety
Operations

Safeguards

Facility
Support

Radiological
Controls

Other Areas

Licensee Performance Areas

Safety Operations

Plant Operations

- Safety Controls
- Supporting Safety Programs



Nuclear Criticality Safety

- Criticality Controls
- Program Oversight
- Criticality Incident Response



Fire Protection

- Prevention, Detection, & Mitigation
- Supporting Fire Safety Programs



Radiological Controls

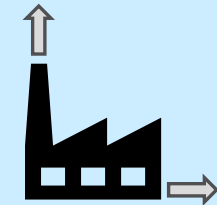
Radiation Protection

- Members of the Public
- Plant Workers



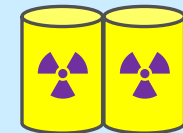
Environmental Protection

- Program Implementation
- Liquid and Gaseous Effluents



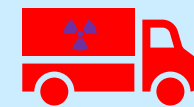
Waste Management

- Processing, Handling, Storage & Transportation of Waste



Transportation

- Receipt, Packaging & Delivery of Radioactive Materials



Facility Support

Maintenance and Surveillance

- Safety Controls
- Supporting Program Elements



Emergency Preparedness

- Emergency Plan Implementation
- Evaluation of Emergency Drills



Permanent Plant Modifications

- Configuration Management Program
- Request for NRC Approval



Management Organization

- Effective Organization and Controls



Operator Training

- Quality of Training Program
- Frequency of Refresher Training



Licensee Performance Areas

Safeguards

Material Control and
Accounting

Physical Protection of
SNM

Classified Material and
Information Security

Other Areas

Special Issues

Licensing Submittals

Confirmatory Action
Letters or Orders

NRC On-site Core Inspection Effort

Category III Fuel Facility

**Safety
Operations**
(152-214 hours)

**Plant
Operations**
(60 hours)

**Criticality
Safety**
(64 hours)

**Fire
Protection**
(32-90 hours)

**Radiological
Controls**
(32-160 hours)

**Radiation
Protection**
(0-64 hours)

**Environmental
Protection**
(32 hours)

**Waste
Management**
(0-32 hours)

Transportation
(0-32 hours)

Safeguards
(54-96 hours)

**Material
Control &
Accounting**
(54-72 hours)

**Physical
Protection**
(0-24 hours)

**Facility
Support**
(94-238 hours)

**Maintenance/
Surveillance**
(30 hours)

**Emergency
Preparedness**
(32-80 hours)

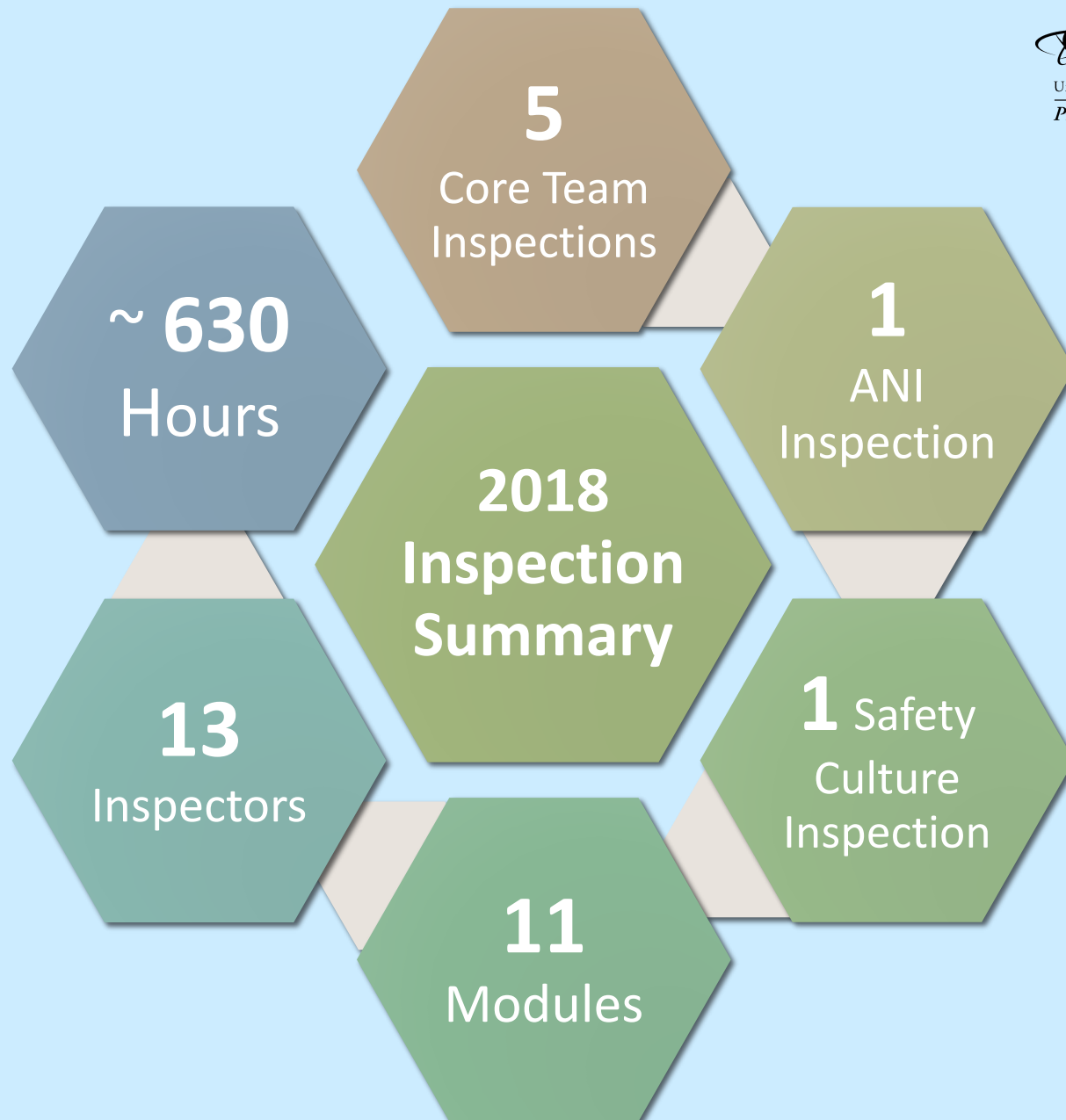
**Plant
Modifications**
(32-128 hours)

LPR Results

Assessment Period

January 1, 2018 – December 31, 2018





Areas Needing Improvement (ANIs)

- In 2017, an ANI was identified in Safety Operations, due to a safety significant issue involving the S-1030 scrubber.
- The identified supplemental inspection activities associated with the ANI were completed in 2018, however, the ANI will remain open and the assessment period will remain at a 12-month periodicity until the actions specified in the CO have been completed.
 - CO V.2, CO V.3(3), CO V.5, and CO V.10.b remain open
- No additional ANIs were identified in any performance areas.

Recommended NRC Inspection Effort for Current Assessment Period (2019)

SAFETY OPERATIONS

The core inspection effort will be implemented with the exception of the inspection effort required for CO item closure. This effort is estimated to be an additional 120-150 hours, including both on-site and in-office review.

RADIOLOGICAL CONTROLS

Maintain core
inspection program

SAFEGUARDS

Maintain core
inspection program

FACILITY SUPPORT

Maintain core
inspection program

Westinghouse Remarks

*Informal Question and Answer
Session between the NRC and the Public*

Feedback Options

- Hardcopy NRC Form 659 (mail or email)
- Link on NRC Public Meeting Schedule website
- Email directly to:
 - thomas.vukovinsky@nrc.gov
 - katherine.mccurry@nrc.gov

List of Publicly Available Documents

- NRC Program Adjustment Letter – ML16355A078
- 2018 License Performance Review report 2018-001 – ML18064A119
- 2018 NRC Public Meeting Presentation Slides – ML18038A717
- 2018 Westinghouse Public Meeting Presentation Slides – ML18038A703
- Augmented Inspection Team report 2016-007 – ML16301A001
- Enforcement actions report 2017-007 – ML17058A448
- Confirmatory Action Letter (CAL) – ML16224B082
- Confirmatory Order (CO) – ML17221A103
- ANI supplemental report 2017-009 – ML17356A091
- ANI supplemental report 2018-006 – ML18089A060
- 2018 CO status update public meeting - ML18039A001
- 2019 LPR letter - ML19060A201